

SEQUENCE LISTING

<110> Centre National de la Recherche Scientifique

<120> Novel mammalian group XII secreted phospholipase A2

<130> 10199PCT

<140> PCT/IB01/XXXXX

<141> 2001-10-11

<150> US 60/239,489

<151> 2000-10-11

<160> 7

<170> PatentIn version 3.0

<210> 1

<211> 716

<212> DNA

<213> Homo sapiens

<220><221> CDS

<222> (121)..(690)

<223> cDNA coding the human group XII sPLA2

<400> 1

atatggagct ggctgctgcc aagtcggggg cccgcgccgc tgcctagcgc gtctgggga 60

ctctgtgggg acgcgccccg cgccgcggct cggggacccg tagagcccgg cgctgcgcgc 120

atg gcc ctg ctc tgc cgc ccc gcg ctc acc ctc ctg ctc ctc ctc atg 168

Met Ala Leu Leu Ser Arg Pro Ala Leu Thr Leu Leu Leu Leu Met

1 5 10 15

gcc gct gtt gtc agg tgc cag gag cag gcc cag acc acc gac tgg aga 216

Ala Ala Val Val Arg Cys Gln Glu Gln Ala Gln Thr Thr Asp Trp Arg

20 25 30

gcc acc ctg aag acc atc cgg aac ggc gtt cat aag ata gac acg tac 264

Ala Thr Leu Lys Thr Ile Arg Asn Gly Val His Lys Ile Asp Thr Tyr

35 40 45

ctg aac gcc gcc ttg gac ctc ctg gga ggc gag gac ggt ctc tgc cag 312

Leu Asn Ala Ala Leu Asp Leu Leu Gly Gly Glu Asp Gly Leu Cys Gln

50 55 60

tat aaa tgc agt gac gga tct aag cct ttc cca cgt tat ggt tat aaa 360

Tyr Lys Cys Ser Asp Gly Ser Lys Pro Phe Pro Arg Tyr Gly Tyr Lys

65 70 75 80

ccc tcc cca ccg aat gga tgt ggc tct cca ctg ttt ggt gtt cat ctt 408

Pro Ser Pro Pro Asn Gly Cys Gly Ser Pro Leu Phe Gly Val His Leu

85 90 95

aac att ggt atc cct tcc ctg aca aag tgt tgc aac caa cac gac agg 456

Asn Ile Gly Ile Pro Ser Leu Thr Lys Cys Cys Asn Gln His Asp Arg

100 105 110

tgc tat gag acc tgt ggc aaa agc aag aat gac tgt gat gaa gaa ttc 504

Cys Tyr Glu Thr Cys Gly Lys Ser Lys Asn Asp Cys Asp Glu Glu Phe

115 120 125

100101-4252650

cag tat tgc ctc tcc aag atc tgc cga gat gta cag aaa aca cta gga 552
 Gln Tyr Cys Leu Ser Lys Ile Cys Arg Asp Val Gln Lys Thr Leu Gly
 130 135 140

cta act cag cat gtt cag gca tgt gaa aca aca gtg gag ctc ttg ttt 600
 Leu Thr Gln His Val Gln Ala Cys Glu Thr Thr Val Glu Leu Leu Phe
 145 150 155 160

gac agt gtt ata cat tta ggt tgt aaa cca tat ctg gac agc caa cga 648
 Asp Ser Val Ile His Leu Gly Cys Lys Pro Tyr Leu Asp Ser Gln Arg
 165 170 175

gcc gca tgc agg tgt cat tat gaa gaa aaa act gat ctt taa 690
 Ala Ala Cys Arg Cys His Tyr Glu Glu Lys Thr Asp Leu
 180 185

aggagatgcc gacagctagt gacaga 716

<210> 2
 <211> 189
 <212> PRT
 <213> Homo sapiens
 <400> 2

Met Ala Leu Leu Ser Arg Pro Ala Leu Thr Leu Leu Leu Leu Met
 1 5 10 15

Ala Ala Val Val Arg Cys Gln Glu Gln Ala Gln Thr Thr Asp Trp Arg
 20 25 30

Ala Thr Leu Lys Thr Ile Arg Asn Gly Val His Lys Ile Asp Thr Tyr
 35 40 45

Leu Asn Ala Ala Leu Asp Leu Leu Gly Gly Glu Asp Gly Leu Cys Gln
 50 55 60

Tyr Lys Cys Ser Asp Gly Ser Lys Pro Phe Pro Arg Tyr Gly Tyr Lys
 65 70 75 80

Pro Ser Pro Pro Asn Gly Cys Gly Ser Pro Leu Phe Gly Val His Leu
 85 90 95

Asn Ile Gly Ile Pro Ser Leu Thr Lys Cys Cys Asn Gln His Asp Arg
 100 105 110

Cys Tyr Glu Thr Cys Gly Lys Ser Lys Asn Asp Cys Asp Glu Glu Phe
 115 120 125

Gln Tyr Cys Leu Ser Lys Ile Cys Arg Asp Val Gln Lys Thr Leu Gly
 130 135 140

100101-4252660

Leu ThrG h H isValG h A h CysG l i ThrThrValG l i Leu Leu Phe
145 150 155 160

Asp Ser Val Ile His Leu Gly Cys Lys Pro Tyr Leu Asp Ser Gln Arg
165 170 175

Ala Ala Cys Arg Cys His Tyr Glu Glu Lys Thr Asp Leu
180 185

<210> 3
<211> 35
<212> DNA
<213> unidentified
<220>
<221> misc_feature
<222> (1)..(35)
<223> Forward primer used to amplify by RT-PCR the group XII PLA2 cDNA
<400> 3
ttgcggccg catatggagc tggctgctgc caagt 35

<210> 4
<211> 37
<212> DNA
<213> unidentified
<220>
<221> misc_feature
<222> (1)..(37)
<223> Reverse primer used to amplify by RT-PCR the group XII PLA2 cDNA
<400> 4
ttaaagcttc tagaatctgt cactagctgt cgcatc 37

<210> 5
<211> 42
<212> DNA
<213> unidentified
<220>
<221> misc_feature
<222> (1)..(42)
<223> Forward primer used in PCR reaction
<400> 5
tttgatcca tcgaaggtcg tcaggagcag gccagaccg ac 42

<210> 6
<211> 20
<212> DNA
<213> unidentified
<220>
<221> misc_feature
<222> (1)..(20)
<223> Internal forward primer used for RT-PCR
<400> 6
gccttccca cgttatggtt 20

<210> 7
<211> 20
<212> DNA
<213> unidentified
<220>
<221> misc_feature
<222> (1)..(20)
<223> 32P-labeled hGXII oligonucleotide probe
<400> 7
ggatgtggct ctccactgtt

20

T00T0T"4252660